

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1

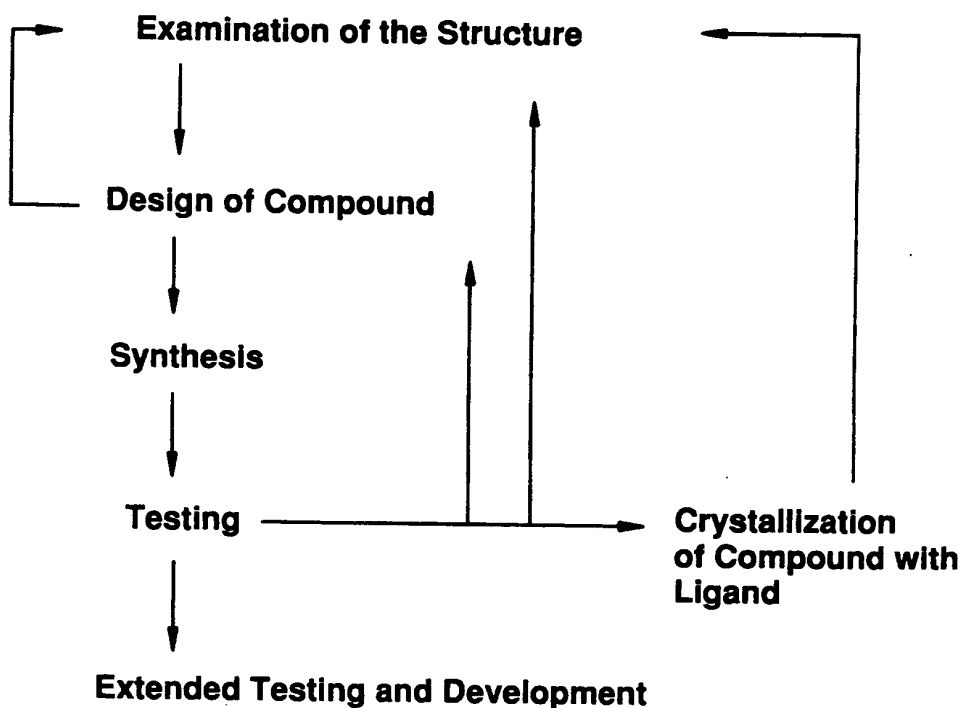


FIG.2

DOMAINS :	NH₂- TERMINAL	DNA BINDING	LIGAND BINDING
HOMOLOGY :	Hypervariable	> 40%	About 20%
FUNCTION :	Transactivation	DNA Binding Dimerization	LIGAND Binding Dimerization Transactivation Nuclear translocation Hsp binding

	1	60
rTRAlpha
hTRAlpha
hTRbeta
hRARAlpha
hRARgamma
hRXRAlpha
hRXRbeta
hPPARAlpha
hPPARbeta
hPPARgamma
hVDR
hER
hGR
hPR	MTLKAAGPR	APHVAGCPPS PEVGSPLCR PAAGPFGSQ TSDTLPEVSA IPISLDGLF
hMR	..METKGYH	SLPEGLDMER RMGQVSQAVE RSSLGPTERT DENNYMEIVN VSCVSGAIPN
hAR

FIG. 3A

DRAFTSMAN	
BY	
CLASS	
SUBCLASS	

rTRAlpha	61	120
hTRAlpha	.....	.....
hTRbeta	.....	.....
hRARAlpha	.....	.....
hRARgamma	.....	.....
hRXRAlpha	.....	.....
hRXRbeta	.....	.....
hPPARAlpha	.....	.....
hPPARbeta	.....	.....
hPPARgamma	.....	.....
hVDR	.....	.....
hER	.....	.....
hGR	.....	.....
hPR	.....	.....
hMR	.....	.....
hAR	.....	.....

FIG.3B

09637132:081000

	181	240
rTRAlpha	.....	.....
hTRAlpha	.....	.....
hTRbeta	.....	.....
hRARAlpha	.....	.....
hRARgamma	.....	.....
hRXRAlpha	.....	.....
hRXRbeta	.....	.....
hPPARAlpha	.....	.....
hPPARbeta	.....	.....
hPPARgamma	.....	.....
hVDR	.....	.....
hER	.....	.....
hGR	QOPDLSKAVS LSHGLYHGET ETKVMGNDLG FPQGGQISLS SGETDLKLE ESIANLNR.	.....
hPR	AHKVLPGLS PARQLLPAS ESPHWSGAPV KPSPQAAVE VEEEDSSESE ESACPILKCK	.....
hMR	VHRAIVK..S PIMCHEKSPS VCSPLNHTSS VCSAGINSV SSTTASFGSF PVHSPITQGT	.....
hAR	.....	.....

FIG.3D

09637432-081000

[illegible]

301	360
rTRalpha	.....
hTRalpha	.....
hTRbeta	.....
hRARalpha	.....
hRARgamma	.....
hRXRalpha	.....
hRXRbeta
hPPARalpha
hPPARbeta
hPPARgamma
hVDR
hER
hGR
hPR
hMR
hAR

FIG.3F


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541
rTralpha SARSPDGKRX RKN.GQCP... ..LKSM .....SGYI 600
hTralpha SARSPDGKRX RKN.GQCS.. ....LKSM .....SGYI
hRb beta RKSHSERRST LKN.EQSSPH LIQTWTSSI FHLDDVDND QSVSAQTFO TEEKCKGYI
.....PN SNHVASGAGE AAIEQSSSS EEIVSPSPSP
hRARalpha CAGFPFAFPG ALR.GSPFE MLSPSFRGLG QPDLPEKEMAS LSVETQSTSS EEMVSSSPSP
hRARgamma HSMSPV.... .TPTLGFTS GSPQLSS... .PMNPVSSSE DIXPLGLNG VLKVPAPSPG
hRXRbeta PGLPP.... .APPGFSGPV SSPQINSTVS LPGCGSCPPE DVKPPVLCVR GLHCPPPPGG
hPPARalpha SCPCSGDSVI TDTLSPA... ..SSPS..SVT YPVVPGSVDE
hPPARbeta SSSYTD.... ..LSRS... ..SSP..SLI DQLQMG.C.DG
hPPARgamma FSSISAPHYE DIPFTRADPM VADYKYDLKL QEYQSAIKVE PASPPYSEK AOLYNRPHEE
hVDR SVSPAQQTSTV PITVQACPQV LTQDGLASLM TCHLAQQSSL GQPLILPLSH AGSVGCGGCL
HER HGQOVPIYLE NEPSGYTVRE AGPP....AF YRPNSDNRQO GGERLASTN DKGSMAHESA
hGR ..WNRQCGSG DDNLITSLGTL NEFGRTVFSN GYSSPSMRPD V.....SSPSSSST
hPR ..ASAAAGA APALYPALGL NGLPQLGYQA AVLKEGLPQV YPPYLYLRP DSEASQSPQY
hMR SLRSARDQS FQHLSSFPPV NTLVESWKSH GDLSRRSDG YPVLEYIPEN VSSSTLRVS
hAR ..CVKSEMGF WMDSYSG... ..PYGD MRLETARDHV LP..IDYFFP .....

```

FIG.3J

601	rTRAlpha hTRAlpha hTRbeta hRARAlpha hRARgamma hRXRAlpha hRXRbeta hPPARAlpha hPPARbeta hPPARgamma hVDR hER hGR hPR hMR hAR	PSYLDKDEQC VVCGDKATGY HYRCITCEGC KGFRRRTIQ NLHPTYSCXY DS..... PSYLDKDEQC VVCGDKATGY HYRCITCEGC KGFRRRTIQ NLHPTYSCXY DS..... PSYLDKDELC VVCGDKATGY HYRCITCEGC KGFRRRTIQ NLHPSYSCKY EG..... PPLPRIYKPC FVCQDKSSGY HYGVSACEGC KGFRRRSIQ NM..VYTCHR DK..... PPPRVYKPC FVCNDKSSGY HYGVSCEGC KGFRRRSIQ NM..VYTCHR DK..... NMASFTKHIC AICGDRSSGK HYGVSCEGC KGFRTVRK DL..TYTCRD NK..... PGAG..KRLC AICGDRSSGK HYGVSCEGC KGFRTVRK DL..TYTCRD NK..... SPSGALNIEC RICGDKASGY HYGVAHACEGC KGFRTVRK DL..TYTCRD NK..... ASGSLNMEC RVCGDKASGF HYGVAHACEGC KGFRTVRK DL..TYTCRD NK..... PSNSLMAIEC RVCGDKASGF HYGVAHACEGC KGFRTVRK DL..TYTCRD NK..... AVLTPTATV ATLPGLAAS PAGGLKLPF AGLQATV LN SVQTQLQAPA QAVLQPMISA KET...RYC AVCNDYASGY HYGWVSCEGC KAFKRSIQ HN..DYMCRA TN..... ATGPPPKLC LVCSDEASGC HYGVLTCGSC KVFVKRAVEG QHNYLCAGR N D..... SFESLPQKIC LICGDEASGC HYGVLTCGSC KVFVKRAVEG QHNYLCAGR N D..... TGSSRPSKIC LVCGDEASGC HYGVLTCGSC KVFVKRAVEG QHNYLCAGR N D.....PQKTC LICGDKASGC HYGALTCGSC KVFVKRAVEG QHNYLCAGR N D.....	660
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FIG.3K

09637132.081000

DRAFTSMAN	
BY	CLASS
SUBCLASS	

661

720

rTRAlpHa .CCVIDKITR NQCQLCRFKK CIAVGMAIDL VLDDSKRVAK RKLIEQNRRR RRK..EEMIR
 hTRAlpHa .CCVIDKITR NQCQLCRFKK CIAVGMAIDL VLDDSKRVAK RKLIEQNRRR RRK..EEMIR
 hTRbeta .KCVIDKVTR NQCQECRFKK CIYVGMAIDL VLDDSKRLAK RKLIEENREK RRR..EELQK
 hRARAlpHa .NCIINKVTR NRCQYCRLOK CFEVGSKEK VRND.....RNK KKK..EVPKP
 hRARgamma .NCIINKVTR NRCQYCRLOK CFEVGSKEA VRND.....RNK KKK..EYKEE
 hRXRAlpHa .DCLIDKRQR NRCQYCRYQK CLAMGKKREA VQEEQRG.. ...KDRNEN EVE..STSSA
 hRXRbeta .DCTVDKRQR NRCQYCRYQK CLATGKKREA VQEEQRG.. ...KDK.DG DGE..CAGCA
 hPPARAlpHa .SCKIQKKNR NKCQYCRFHK CLSVGMSHNA IRFG.....RMPREKAK LKA..EILTC
 hPPARbeta .SCKIQKKNR NKCQYCRFQK CLALGMSHNA IRFG.....RMPAEKAK LVA..GLTAN
 hPPARgamma .NCRHKKSR NKCQYCRFQK CLAVGMSHNA IRFG.....RMPQAEK LLA..EI.SS
 hVDR LQAMQQTQT AATASIVQK ASEPSVSAT LQTAGLSINP AIISASLGA QPQFISSLT
 hER .QCTIDKNRR KSCQACRLRK CYEVGMMKG IRKDRGGRM LKHKRQRDDG EGR..GEVGS
 hGR .CIIDKIRR KNCPCRYRK CLQAGMNEARKTAK..KIK GIQ..QATT.
 hPR .CIVDKIRR KNCPCRLRK CCQAGMVLGRKFKEFNKVR VVR..ALDAV
 hMR .CIIDKIRR KNCPCRLQK CLQAGMNLGARKSXLGKLG GIH..EEOQ
 hAR .CTIDKFRR KNCPCRLRK CYEAGMTLGARKLKLGKLG LQE..EGEAS

FIG.3L

	721	minimal start site 725	780
hTRAlpHa	SLQQRPEPTP	EEMDLIHVAT	EAHRSTNAQG SHWKQRKFL PDDIGQSPIV
hTRAlpHa	SLQQRPEPTP	EEMDLIHAT	EAHRSTNAQG SHWKQRKFL PDDIGQSPIV
hTRbEta	SIGHKPEPTD	EEMELIKTVT	EAHVATNAQG SHWKQPKFL PEDIGQAPIV
hRARAlpHa	ECSESYTLTP	EVGELIEKVR	KAHQETFPAL CQL...CKYT TNNSEQRV.
hRARgAmma	GSPDSYELSP	QLEELITKVS	KAHQETFPSL CQL...CKYT TNSADHRV.
hRXRAlpHa	NEDMPVERIL	EAEELAVEPKT	ETVE..ANM GLNPS.....SP..
hRXRbEta	PEEMPVDRIL	EAEELAVEQKS	DQVEGPGCT GGSGS.....SP..
hPPARAlpHa	EHDI EDESETA	DLKSLAKRIY	EAYLKFN.M NKVKARVILS GKASNNPPFV IHDMETLCMA
hPPARbEta	EGSQYNPQVA	DLKAFSKHIY	NAYLKFN.M TKKKARSILT GKASHTAPFV IHDIELWQA
hPPARgAmma	DIDQLNPESA	DLRALAKHLY	DSYIKSFP.L TKAKARAILT GKTIDKSPFV IYDMSLMMG
hVDR	TPITTSAMSN	VAGLTSQILIT	NAQGQVIGTL PLLVNPASILA GAAASA... ..LPA
hER	AGDNRANLW	PSPLMIKRSK	KNSLALSITA DQWVSALDA EPPILYSE.
hGR	....GVSQ	ETSENPCKNT	IVPATLPQLT PTLVS.....LL.....
hPR	ALPQPLGVPN	ESQALSQRFT	FSPQDIQLI PPLIN.....LL.....
hMR	QQQPPPPPP	PQSPEEGTY	IAPAKPSVN TALVPQLSTI SRALTSPVM VL.....
hAR	STTSP.....	.TEETTQKLT	VSHIEGYEQ PIFLN.....VL.....

FIG.3M

09637132 .081000

781	840
hTRAlpha	.....SMPDGDKVD LEAFSEFTKI ITPAITRVVD FAKKLPMFSE LPCEDQIILL
hTRAlpha	.....SMPDGDKVD LEAFSEFTKI ITPAITRVVD FAKKLPMFSE LPCEDQIILL
hTRbeta	.....NAPEGCKVD LEAFSHFTKI ITPAITRVVD FAKKLPMFCE LPCEDQIILL
hRARAlpha	.....SLD IDLWDKFSEL STKCIKTVE FAKQLPGFTT LTIADQITLL
hRARgamma	.....QLD LGLWDKFSEL ATKCIKIIVE FAKRLPGFTG LSIADQITLL
hRXRAlpha	.....NDPVTNICQ A.....ADKQLFTLVE WAKRIPHSE LPLDDQVILL
hRXRbeta	.....NDPVTNICQ A.....ADKQLFTLVE WAKRIPHSS LPLDDQVILL
hPPARAlpha	EKTLVAKLVA NGIQN.KEVE VRIFHCCQCT SVETVTELTE FAKAIPAFAN LDLNDQVTLL
hPPARbeta	EKGLVWKQLV NGLPPYKEIS VHVEYRCQCT TVEVRELTE FAKSIPSSS LFLNDQVTLL
hPPARgamma	EDKIKFKHIT PLQEQSKEVA IRIFQCCQFR SVEAVQEITE YAKNIPGFIN LDLNDQVTLL
hVDR	QGLQVQTVAP QLLNSQGOI IATIGNPTA AIPSTASVLP KATVPLTLTK TTQCPVGKV
HER	.....YDPTRFSE ASHGLTLNL ADRELVHMIN WAKRVPGFVD LTLHDQVHLL
hGR	EVIEPEVLYA GYDSSVPDST WRIMTTLNML GGRQVIAAVK WAKAIPGFRN LHLDDQMTLL
hPR	MSIEPDVITYA GHDKTKPDT SLLTSLNQL GERQLSVVK WSKSLPGFRN LHIDDQITLI
hMR	ENIEPEIVYA GYDSSKPDTA ENLSTLNRL AGKQHIQVVK WAKVLPGEFN LPLEDQITLI
hAR	EAIEPGVVCVCA GHNNQPDSE AALLSLNEL GERQLVHVVK WAKALPGFRN LHVDDQMAVI

FIG.3N

841 900

rTRAlpha	KGCCMEIMSL	RAAVRY..DP	ESDTLTLSGE	MTVKRKQLK..	N..GGLGV	VSDAIFELGK
hTRAlpha	KGCCMEIMSL	RAAVRY..DP	ESDTLTLSGE	MAVKREQLK..	N..GGLGV	VSDAIFELGK
hTRbeta	KGCCMEIMSL	RAAVRY..DP	ESETLTNGE	MAVIRGQLK..	N..GGLGV	VSDAIFDLGH
hRARAlpha	KACCLDILIL	RICTRY..TP	EQDTMTFSDG	LTLNRTQMH..	N..AGFGP	LTDLVFAFAN
hRARgamma	KACCLDILIL	RICTRY..TP	EQDTMTFSDG	LTLNRTQMH..	N..AGFGP	LTDLVFAFAG
hRXRAlpha	RAGWNELLIA	SFSHRS..IA	VKDGLLATG	LHVHRNSAH..	S..AGVGAI	FDRVLTTELVS
hRXRbeta	RAGWNELLIA	SFSHRS..ID	VRDGLLATG	LHVHRNSAH..	S..AGVGAI	FDRVLTTELVS
hPPARAlpha	KYGVYEALIFA	MLSSVM..NK	DGMLVAYGNG	F.ITREFLK..	SLRKPFGD	IMEPKFDFAM
hPPARbeta	KYGVHEALIFA	MLASIV..NK	DGLLVANGSG	F.VTREFLR..	SLRKPFGD	IMEPKFEFAV
hPPARgamma	KYGVHEIITYT	MLASLM..NK	DGVLISEGQG	F.MTREFLK..	SLRKPFGD	IMEPKFEFAV
hVDR	APSKVILIAPO	PSVVKPVTSL	TAAGVIACGE	MPTVGQLVKNK	PSAVKDEEAI	NLEEIREFAK
HER	ECAMLEILMI	GLVWRS..ME	HPGKLFAPN	LLDRNQGK..	CVEGHVEI	FDMLLAT.SS
HGR	QYSWMFLMAF	ALGWRSYRQS	SANLLCFAPD	LLINEQRHT..	LPCHYD	QCKHMLYSS
HPR	QYSWMSLMVF	GLGWRSYKHV	SGQMLYFAPD	LLINEQRHK..	ESSFYS	LCLTHWQIPQ
HMR	QYSWMLCSSF	ALSWRSYKHT	NSQFLYFAPD	LVFNEEKMH..	QSAME	LCQGMHQISL
hAR	QYSWMLMVF	AMGWRSTFNV	NSRMLYFAPD	LVFNEYRHH..	KSRAYS	QCVRMRHLSQ

FIG.30

901	60		
rTRalpha hTRalpha hTRbeta hRARalpha hRARgamma hRXRalpha hRXRbeta hPPARalpha hPPARbeta hPPARgamma hvDR hER hGR hPR hMR hAR	SLSAFNLDLT EVALLQAVLL MSTD..... SLSAFNLDLT EVALLQAVLL MSTD..... SLSFNLDDT EVALLQAVLL MSSD..... QLPLEMDDA ETGLISAICL ICGD..... QLPLEMDDT ETGLISAICL ICGD..... KMRDMQMDKT ELGCLRAIVL FNPDS..... KMRDMQMDKT ELGCLRAIIL FNPDA..... KFNALELDSD DISLFVAAIL CCGD..... KFNALELDSD DLALFIAAIL LCGD..... KFNALELDSD DLALFIAVII LSGD..... NFKIRRLSLG LTQTQVGQAL TATEGPAYSQ RFRMNLQGE EFVCLKSIIIL LNSGVYTFLS hGR ELHRLQVSYE EYLCKMTILL LSS..... hPR EFVKLQVSQE EFLCKKVILL LNT..... hMR QFVRLQLTFE EYTIMKVILL LST..... hAR EFGWLQITPQ EFLCKKALLL FSI.....	..RSGLLCVD KIEKSQEAYL LA...FEHYV ..RSGLLCVD KIEKSQEAYL LA...FEHYV ..RPGIACVE RIEKYQDSFL LA...FEHYI ..RQDLEQPD RVDHLQEPLL EA...LKVVY ..RMDLEEPE KVDKLQEPLL EA...LRLYA ..KGLSNPA EVEALREKVY AS...LEAYC ..KGLSNPS EVEVLRKVY AS...LETYC ..RPGLLNVG HIEKMQEGIV HV...LRLHL ..RPGLLNVG RVEAIQDTIIL RA...LEFHL ..RPGLLNVK PIEDIQDNLL QA...LELQI SAICREFEKD ITPKSAQKIK PVLERWLAEA STLKSLEKD HIRVLDKIT DTILHLAKA VPKDGKLSQE LFDEIRMTYI KELGKAIYKR IPLEGRLSQT QFEEMRSSYI RELIKAIGLR IPKDGKLSQA AFEEMRTNYI KELRKAVTKC IPVDGKLNQK FFDELPRANYI KELDRITACK	960

FIG. 3P

961

1020

rTRAlpHa	NHRKHNIPHF	WPKL....M	KVTDLRMIGA	CHASRFL..H	MKVEC..PTE	LFPPLFLEV
hTRAlpHa	NHRKHNIPHF	WPKL....M	KVTDLRMIGA	CHASRFL..H	MKVEC..PTE	LFPPLFLEV
hTRbeta	NYRKHVTHF	WPKL....M	KVTDLRMIGA	CHASRFL..H	MKVEC..PTE	LFPPLFLEV
hRARAlpHa	RKRPRSRPHM	FPKL....M	KITDLRSISA	KGAERVI..T	LKMEI..PGS	M.PPLIQEHL
hRARgamma	RRRRPSQPYM	FPRL....M	KITDLRGIST	KGAERAI..T	LKMEI..PGP	M.YPLIREHL
hRXRAlpHa	KHKYPEQPGR	FAKL....L	RLPALRSIGL	KCLEHLF..F	FKL.I..GDT	PIDTFLEMHL
hRXRbeta	KHKYPEQQGR	FAKL....L	RLPALRSIGL	KCLEHLF..F	FKL.I..GDT	PIDTFLEMHL
hPPARAlpHa	QSNHPDDIFL	FPKL....Q	KHADLRQLVT	EHAQLVQ..I	IKKTE..SDA	ALHPLLQEIY
hPPARbeta	QANHPDAQYL	FPKL....Q	KHADLRQLVT	EHAQMQ..R	IKKTE..TET	SLHPLLQEIY
hPPARgamma	KLNHPESSQL	FAKVL....Q	KMTDLRQIVT	EHVQLH..V	IKKTE..TDM	SLHPLLQEIY
hVDR	ELWNQKGQON	LMEFVGGEPS	KKRKRRTSFT	PQAIEVLNTY	FEKNSLPTGQ	EITEIAKELN
hER	GLTLQOQHQR	LAQL....L	ILSHIRHMSN	KGMEHLY..S	MKC.K..NVV	PLYDLLLEHL
hGR	EGNSSQNMQR	FYQLT....K	LDSMHEVE	NLNYCFQTF	LD.KT..MSI	EFPEMLAEII
hPR	QKGVVSSSQR	FYQLT....K	LDNLHDLVK	QLHLYCLNTF	IQSRA..LSV	EFPEMSEVI
hMR	PNSGQSWQR	FYQLT....K	LDSMHDIVS	DLEFCFYTF	RESHA..LKV	EFPAMLVEII
hAR	RKNPTSCSRR	FYQLT....K	LDSVQPIAR	ELHQFTFDLL	IKSHM..VSV	DFPEMAEII

FIG.3Q

00537432-084000

	1021	minimal end site 1025	1071
rTRalpha	EDQEV.....	.....	.....
hTRalpha	EDQEV.....	.....	.....
hTRbeta	ED.....	.....	.....
hRARalpha	ENSEGLDTLS	GQPGGGRDG	GGLAPPGSC
hRARgamma	ENPEMFEDDS	SQPGHPNAS	SEDEVPGGCG
hRXRalpha	EAPHQMT...	.....	.....
hRXRbeta	EAPHQLA...	.....	.....
hPPARalpha	RDMY.....	.....	.....
hPPARbeta	KDMY.....	.....	.....
hPPARgamma	KDLY.....	.....	.....
hVDR	YDREVVVRWF	CNRROTCLKNT	SKINVFQSQ.
hER	DAHRIHAPTS	RGCAVEETD	QSHLATAGST
hGR	TNQIFKYSNG	NIKKLIFHQ	.....
hPR	AAQLFKILAG	MVKPLLFHK	.....
hMR	SDQLFKVESG	NAKPLYFHRK	.....
hAR	SVQVFKILSG	KVKPIYFHTQ	.....

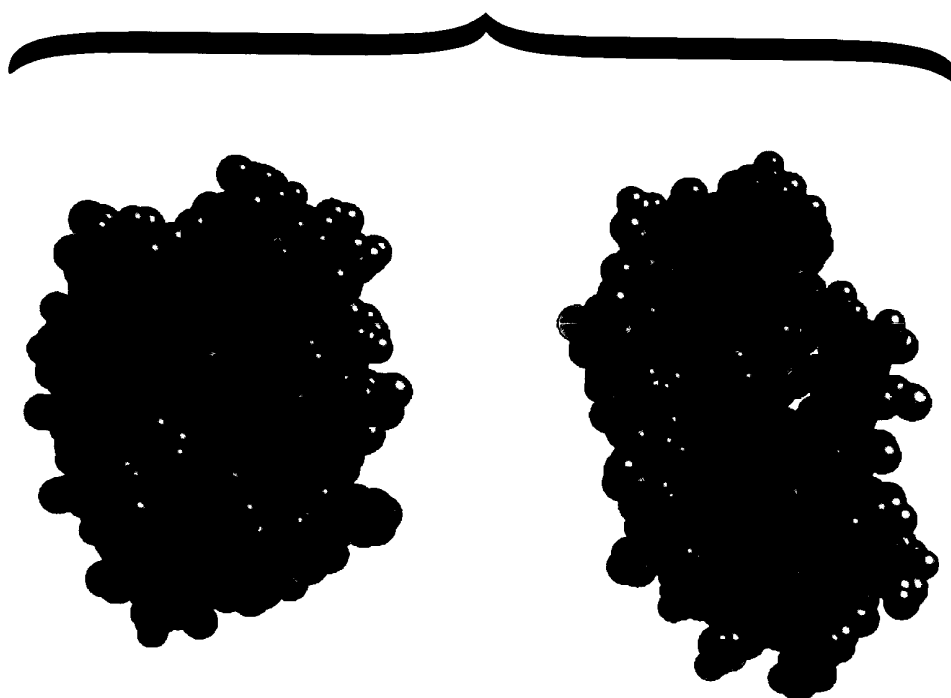
socr:<5>

FIG.3R



FIG. 4

FIG. 5



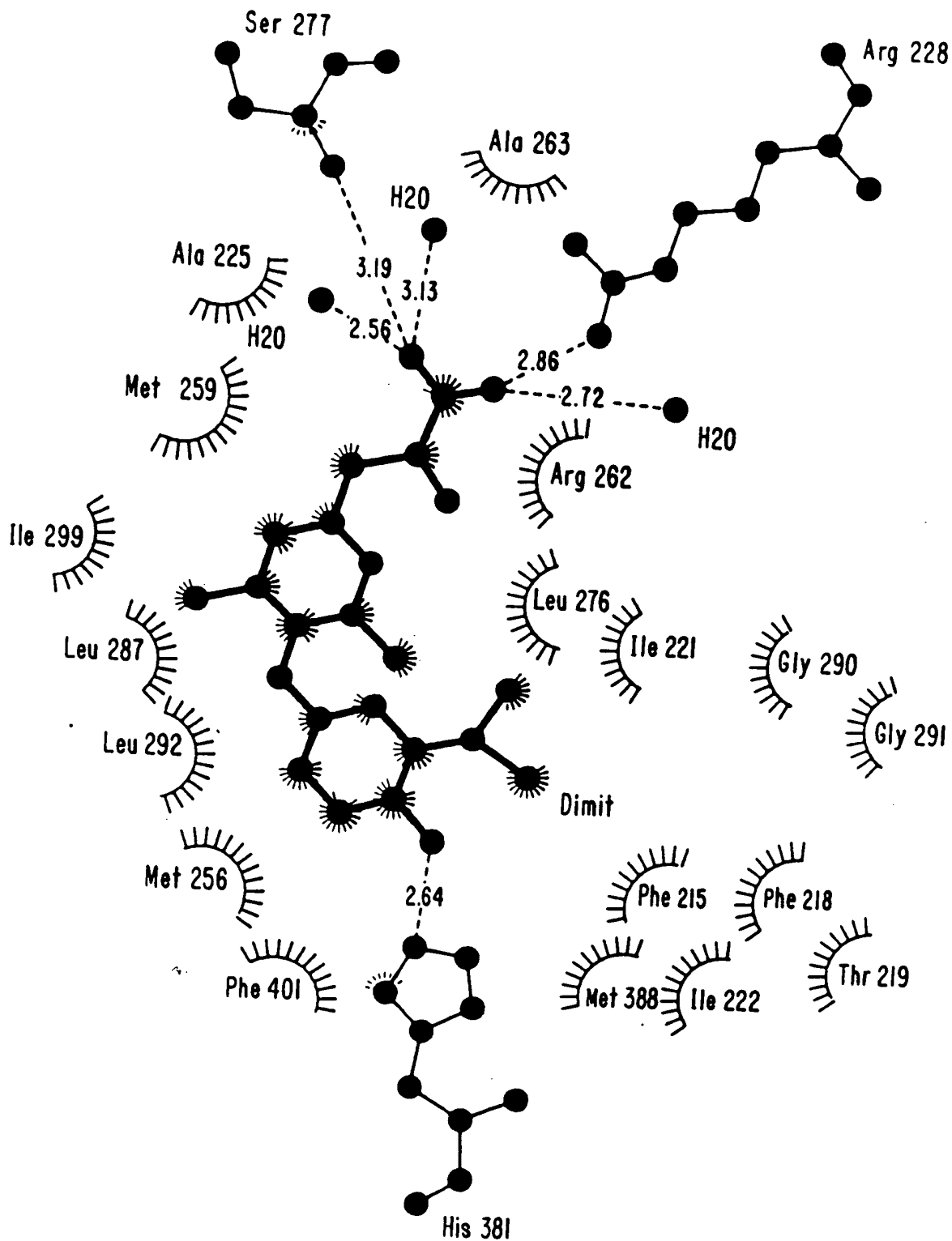


FIG.6

000130-2272960



FIG. 7

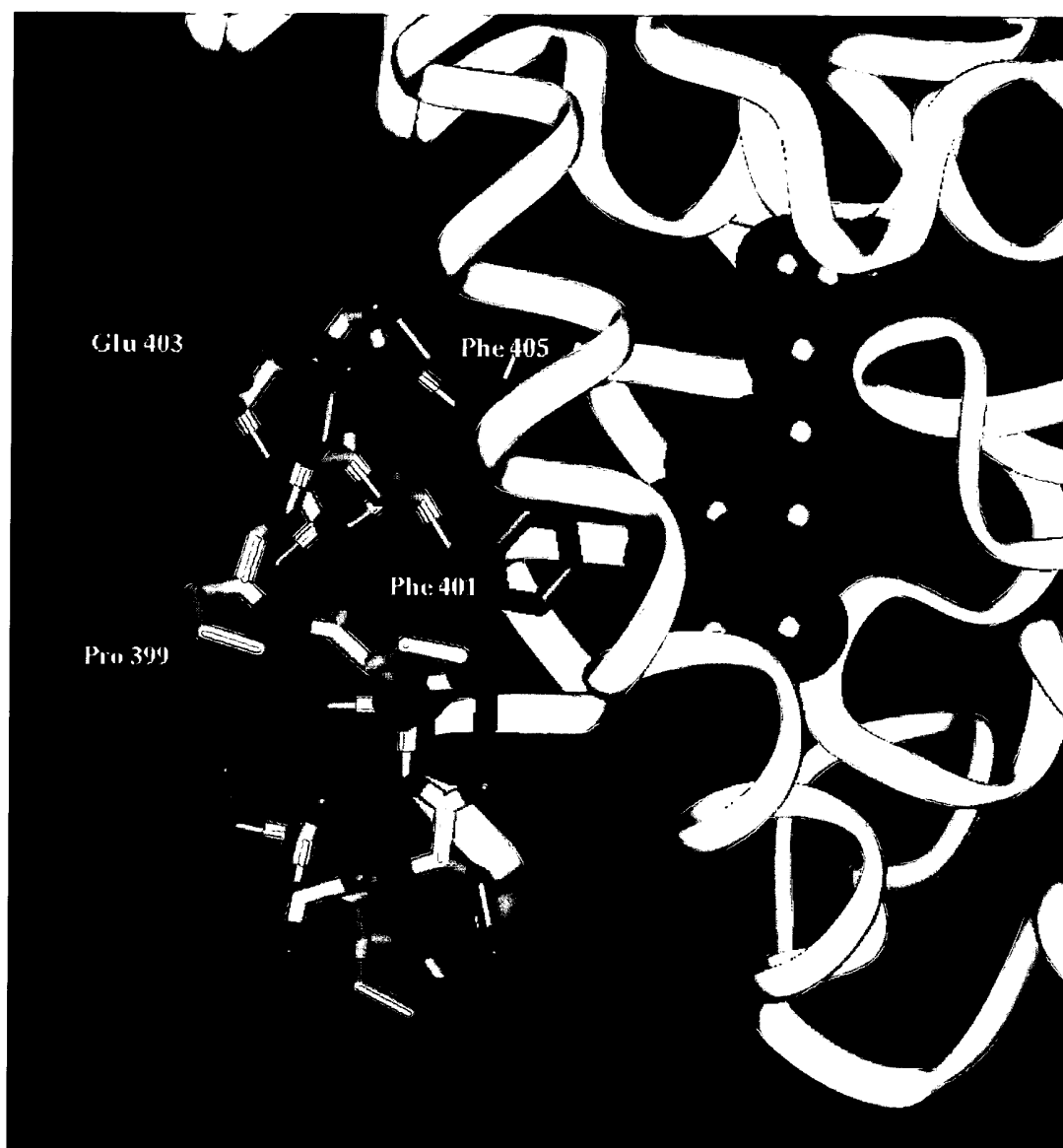


FIG. 8

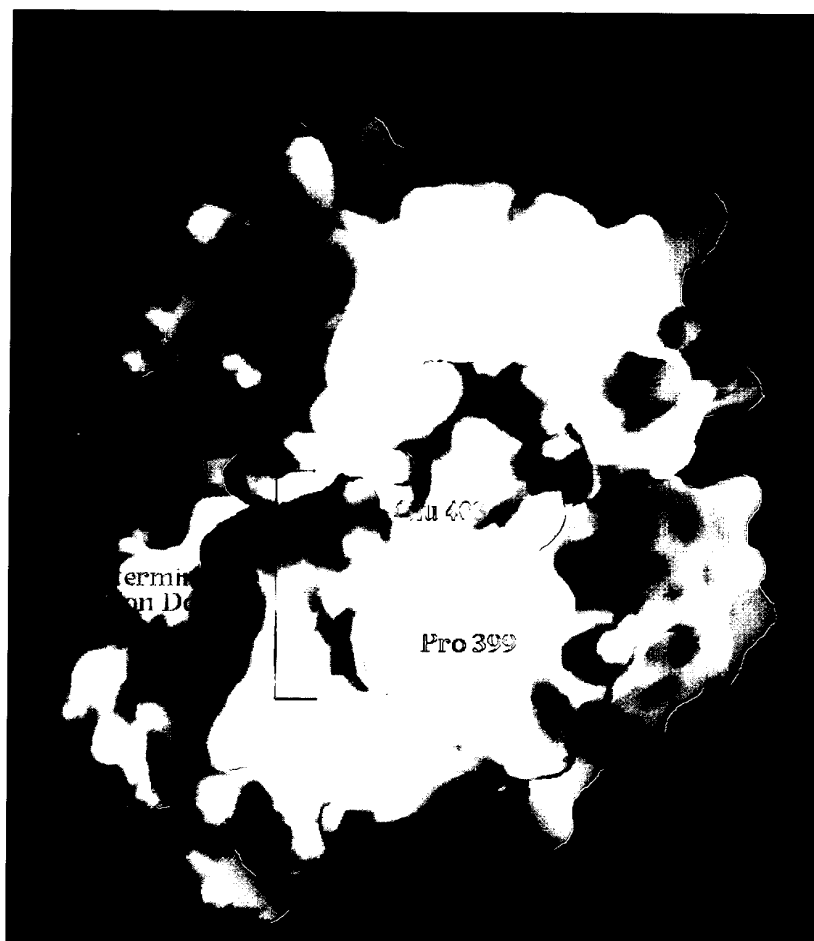
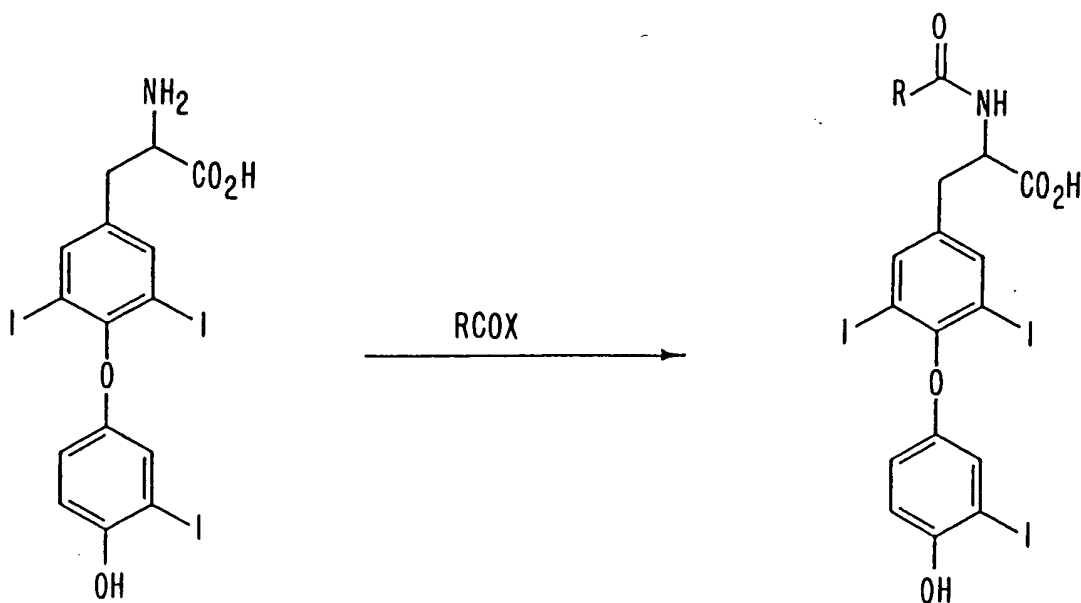


FIG. 9



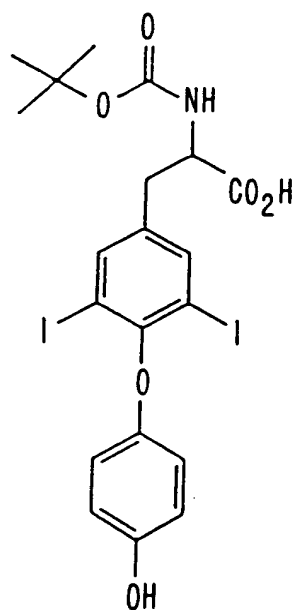
Compound

TS1
TS2
TS3
TS4
TS5

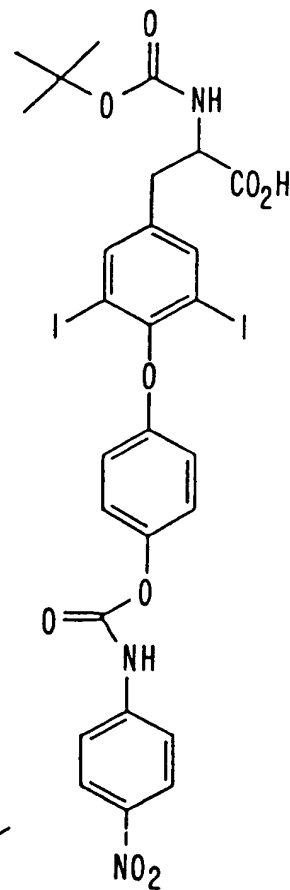
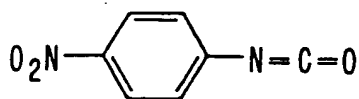
RCOX

$\text{Ph}_2\text{CHCO}_2\text{NHS}$
 $\text{C}_{16}\text{H}_{33}\text{CO}_2\text{NHS}$
 Fmoc-Cl
 tBOC_2O
 tBOC_2O

FIG.11

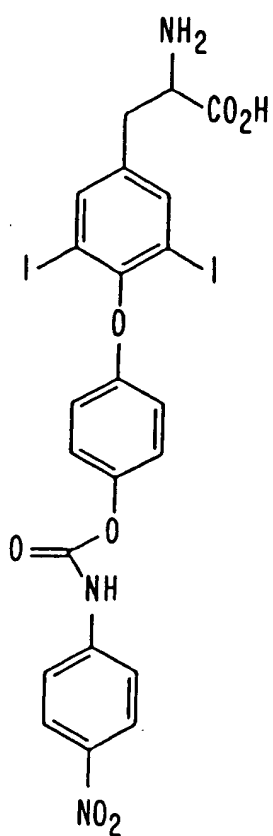
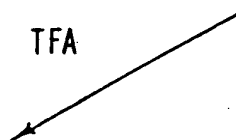


TS-5



TS-6

TFA



TS-7

FIG.12

000180-2272960

000000-22722560

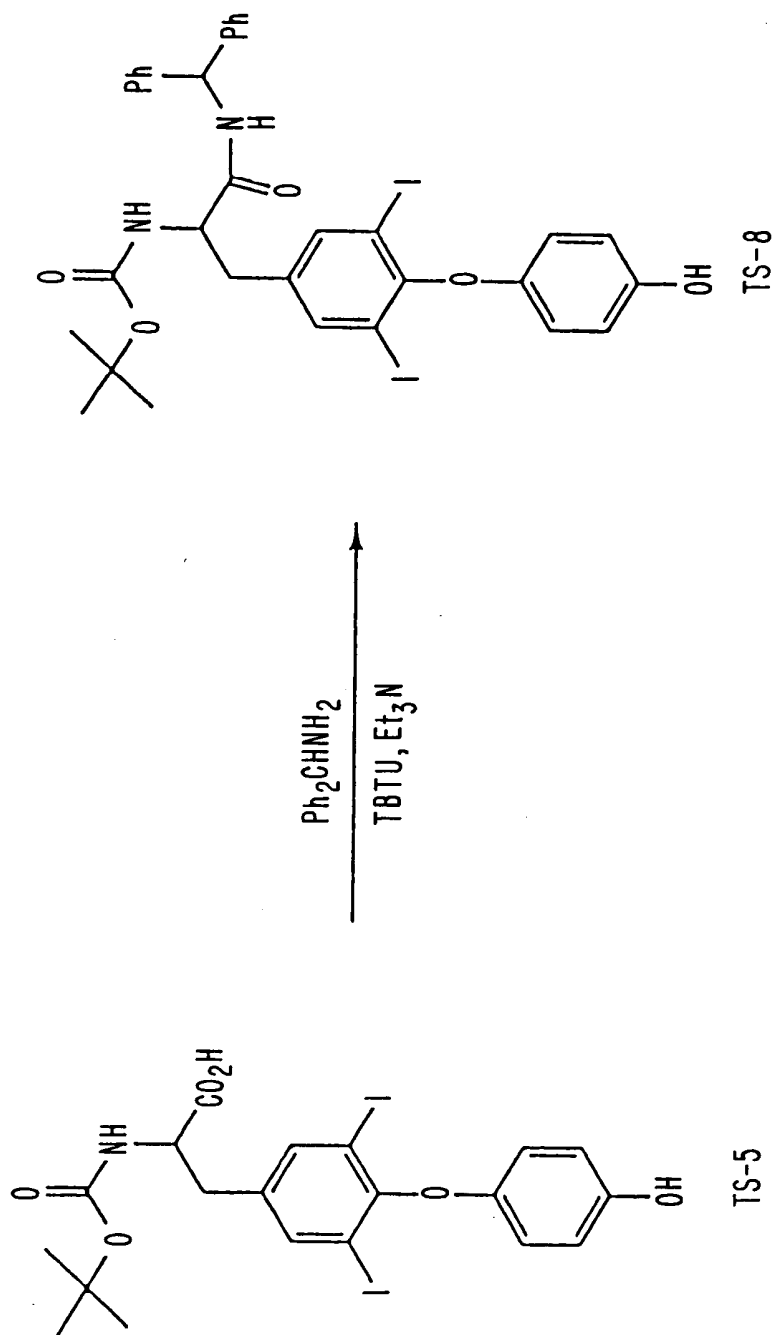


FIG.13

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

000760-22742560

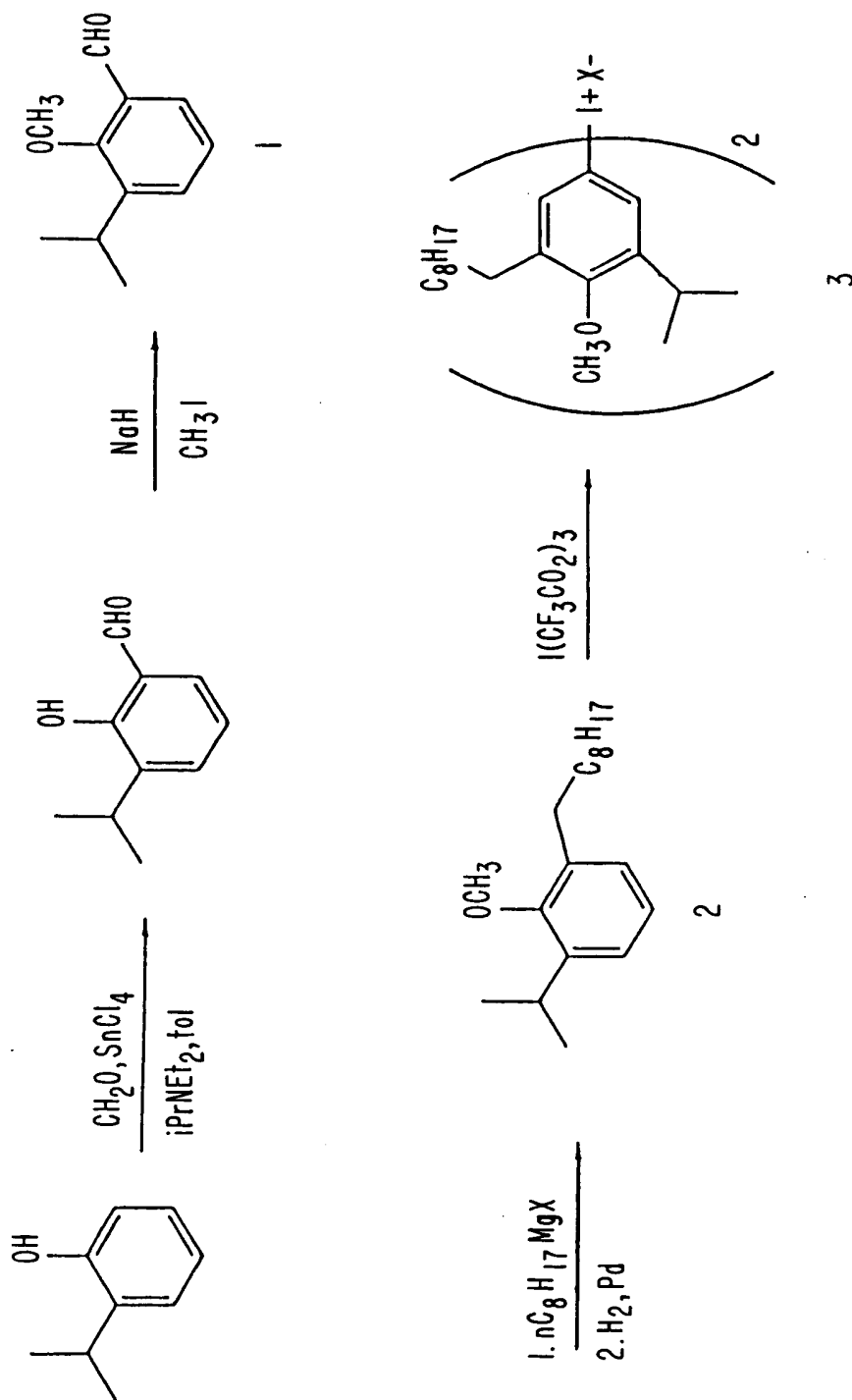


FIG. 14A

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

000780-2ET 22960

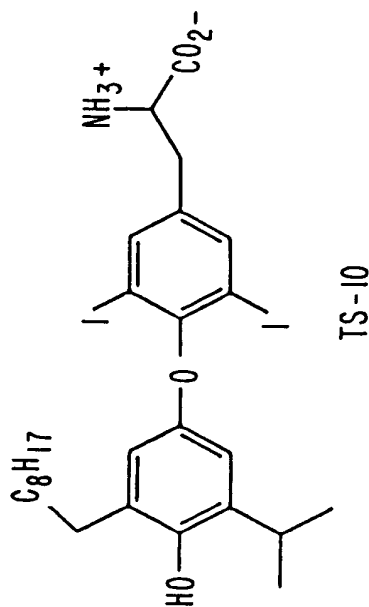
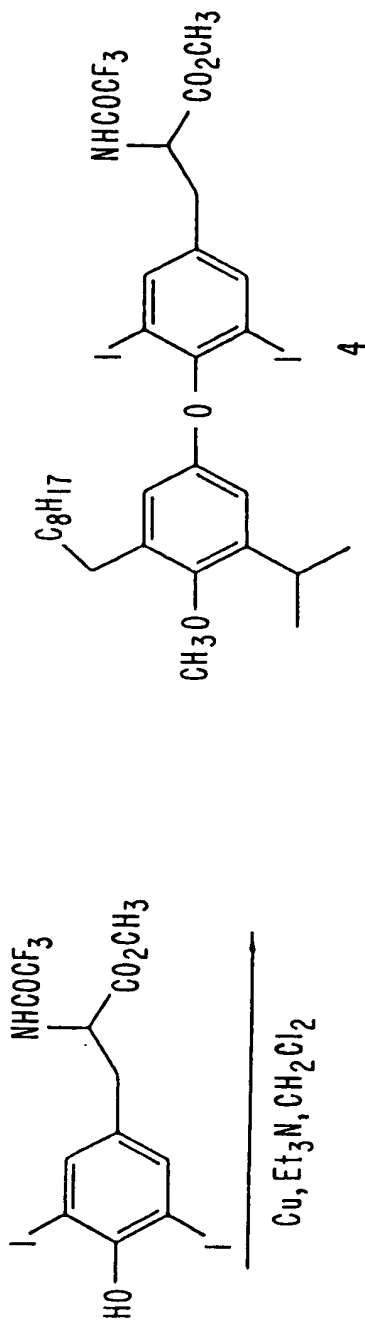
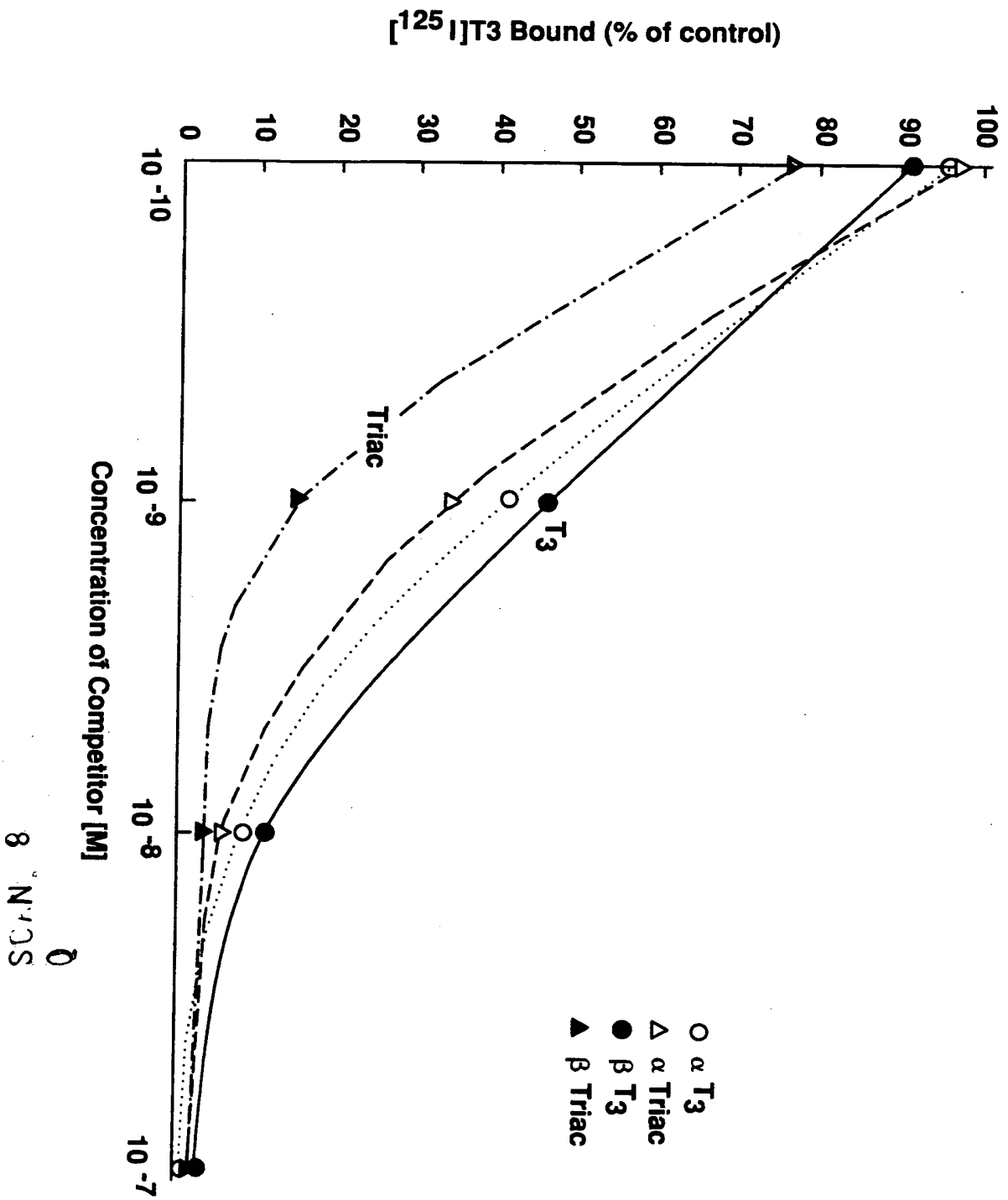


FIG. 14B

FIG.16



APPROVED	C. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.17A

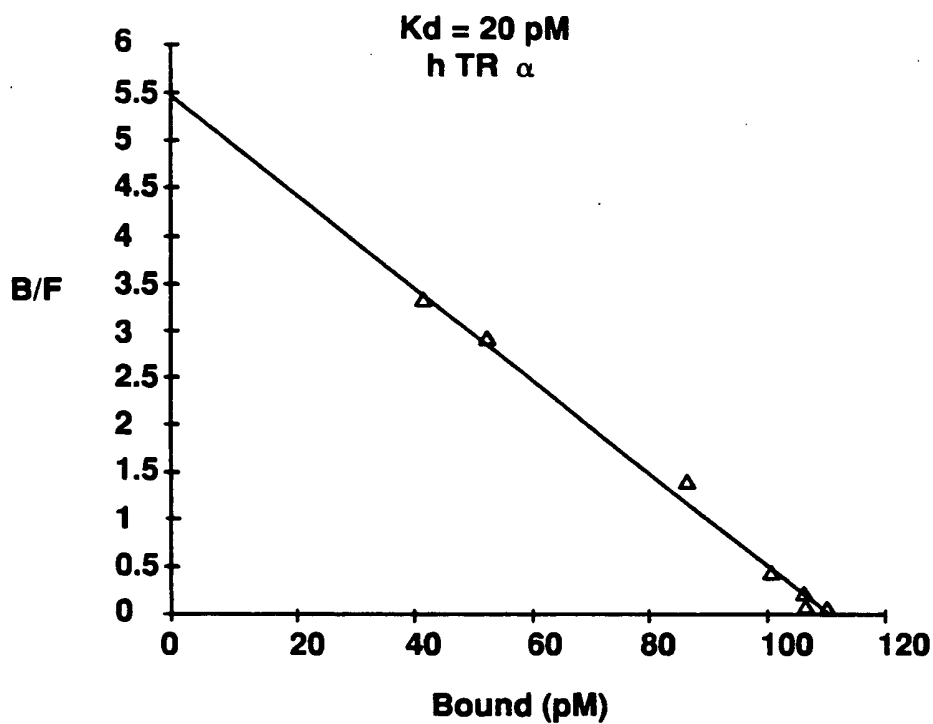
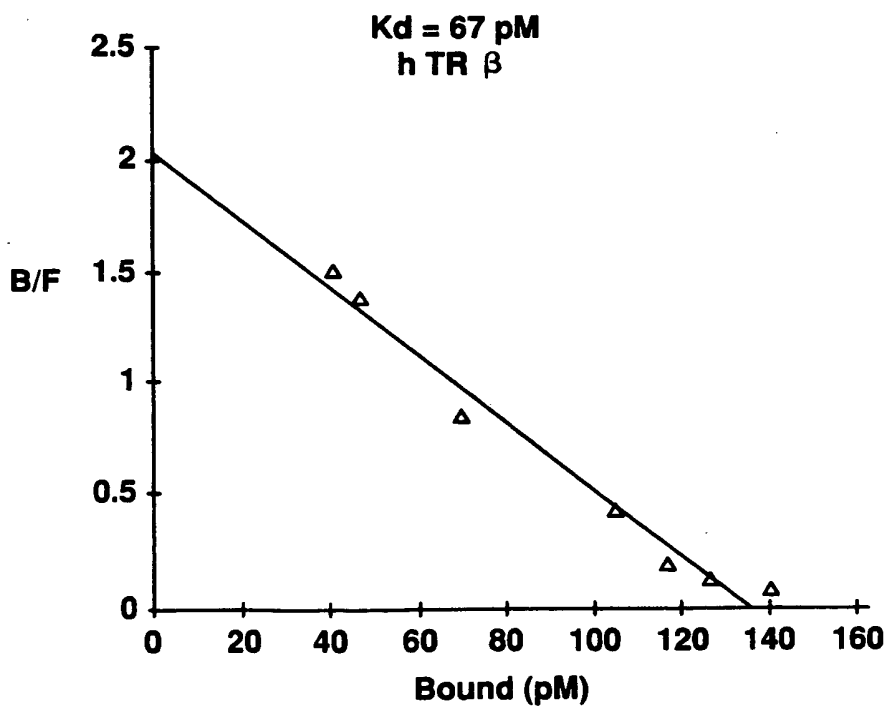


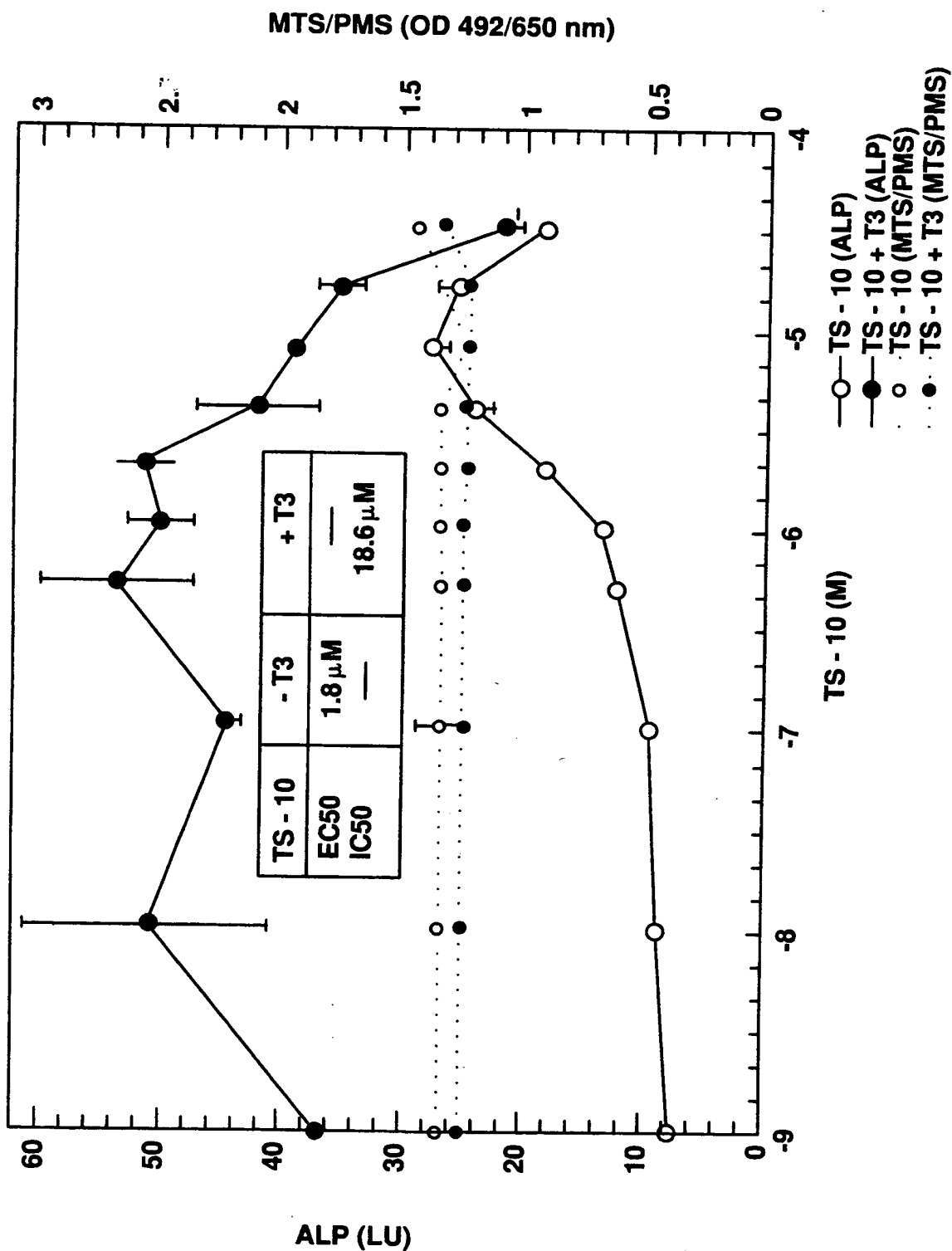
FIG.17B



APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

000T80" 22T 22960

FIG.18



APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

000780" 22742960

FIG.19

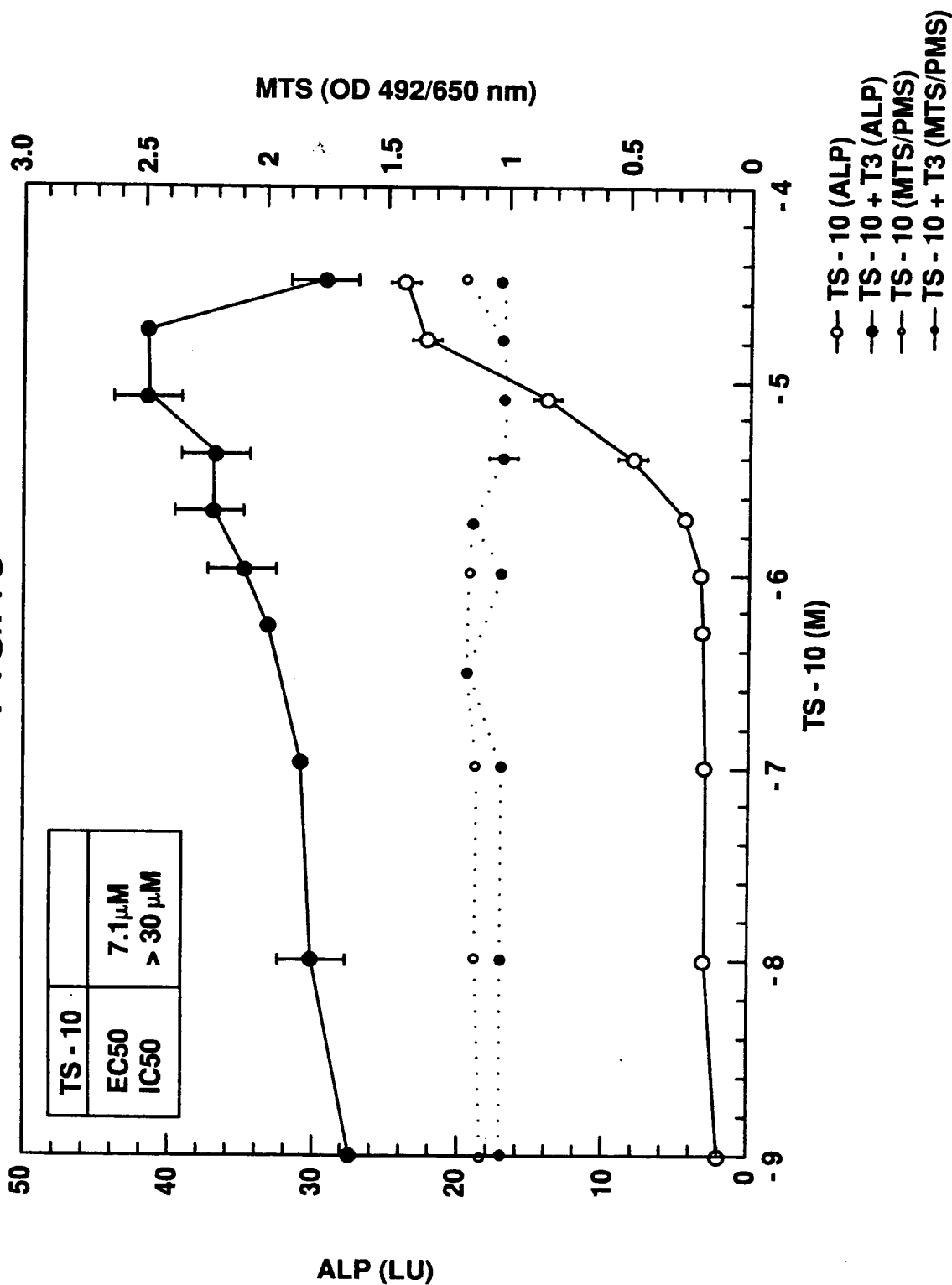
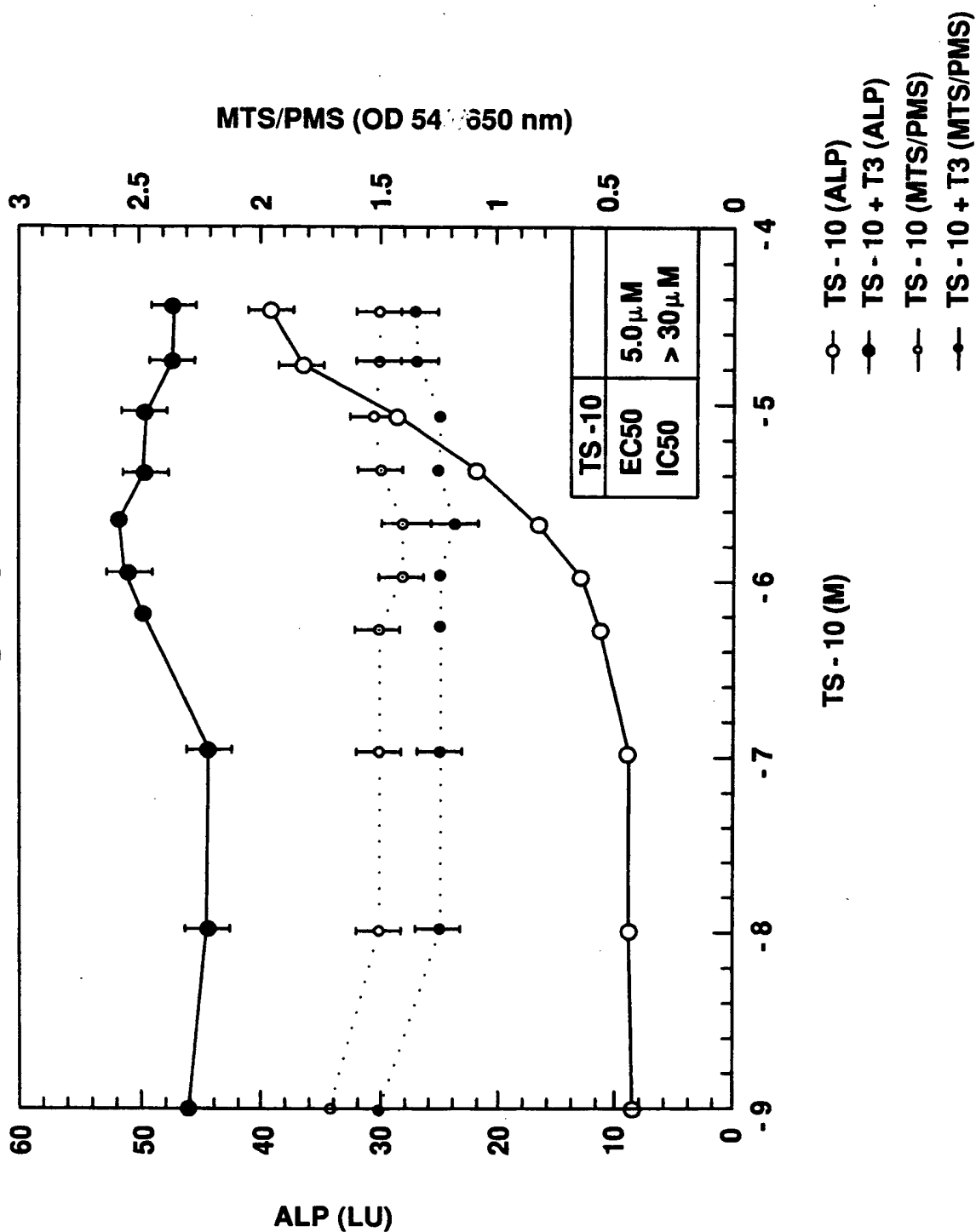


FIG.20



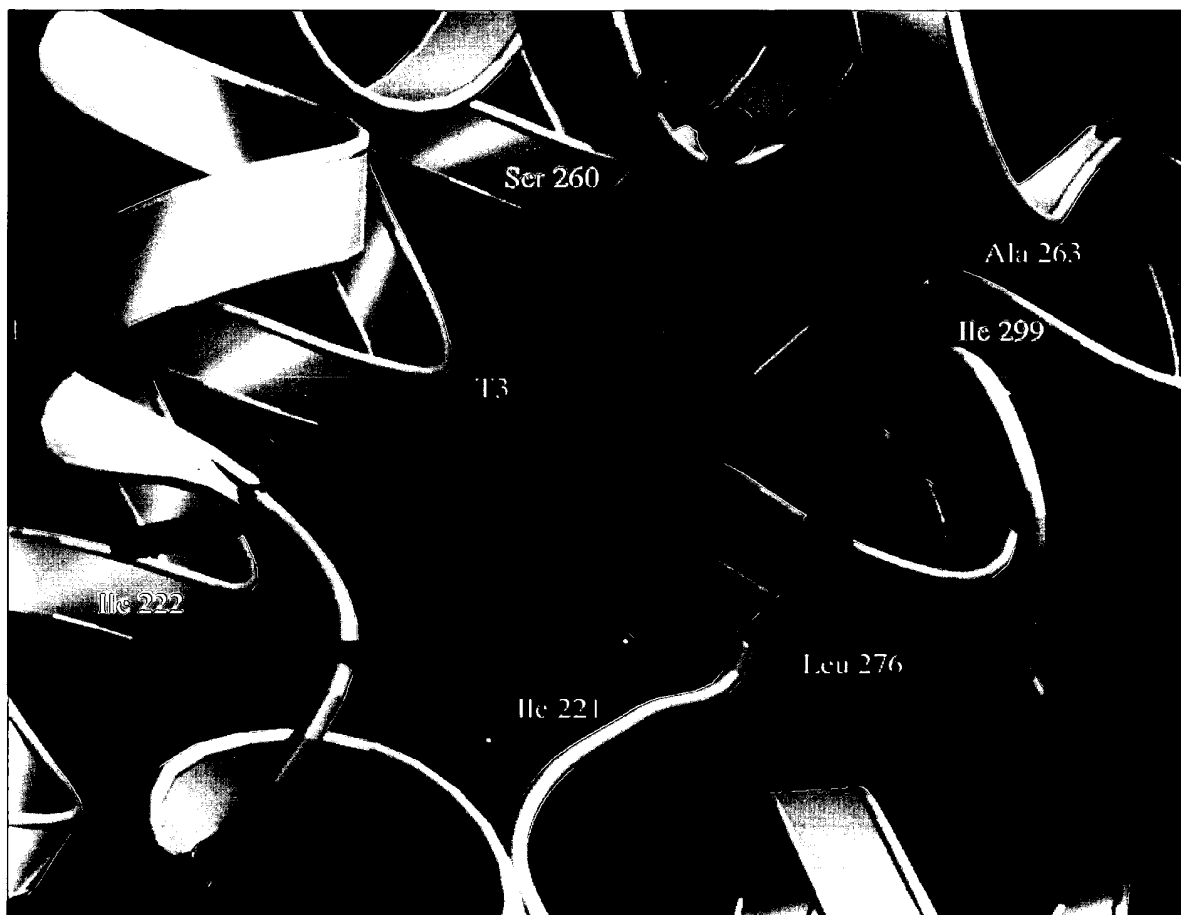


FIG. 21



FIG. 22



FIG. 23



FIG. 24



FIG. 25

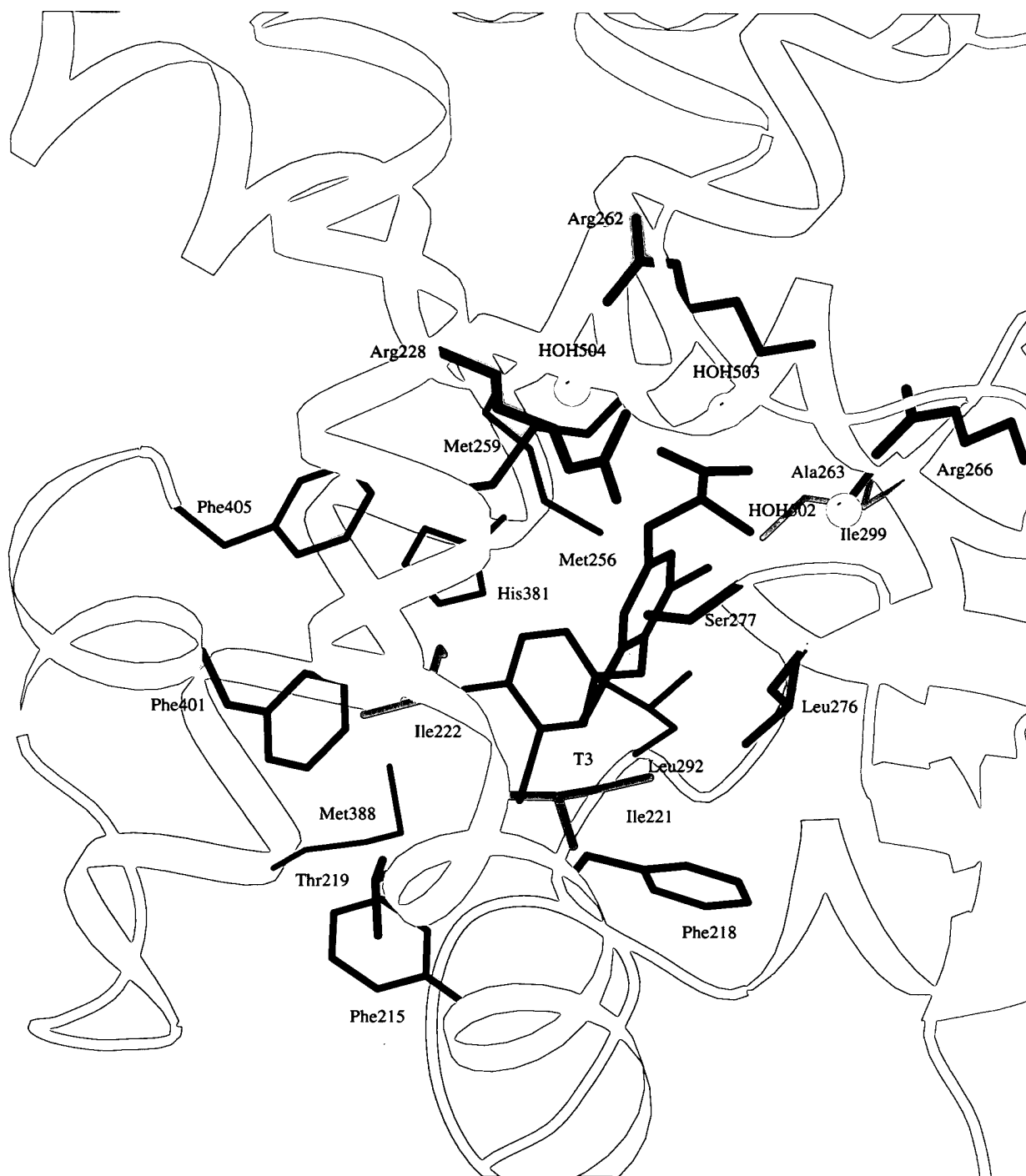


FIG. 26A

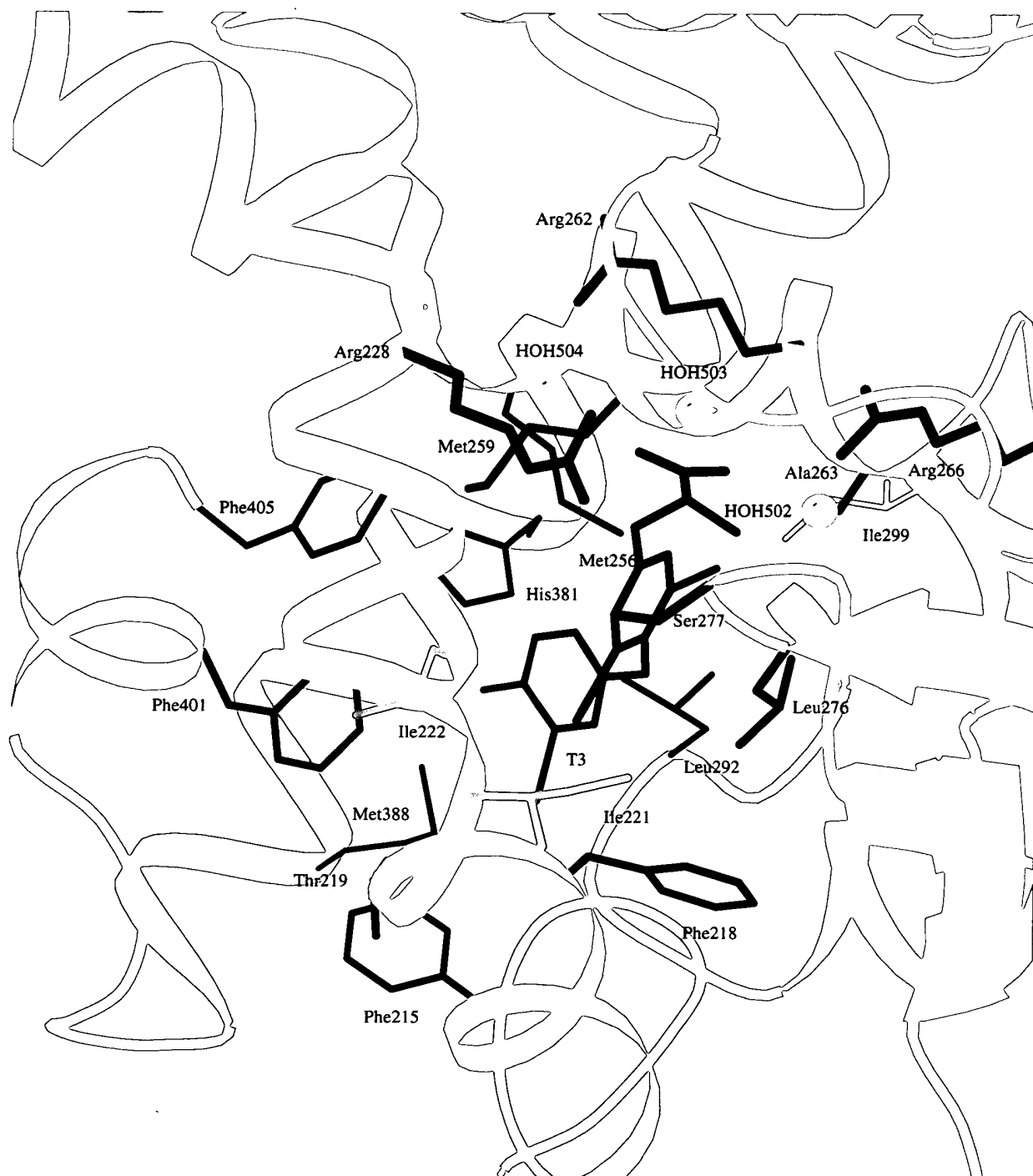


FIG. 26B

Thyroid Hormone Receptor Beta with GC1

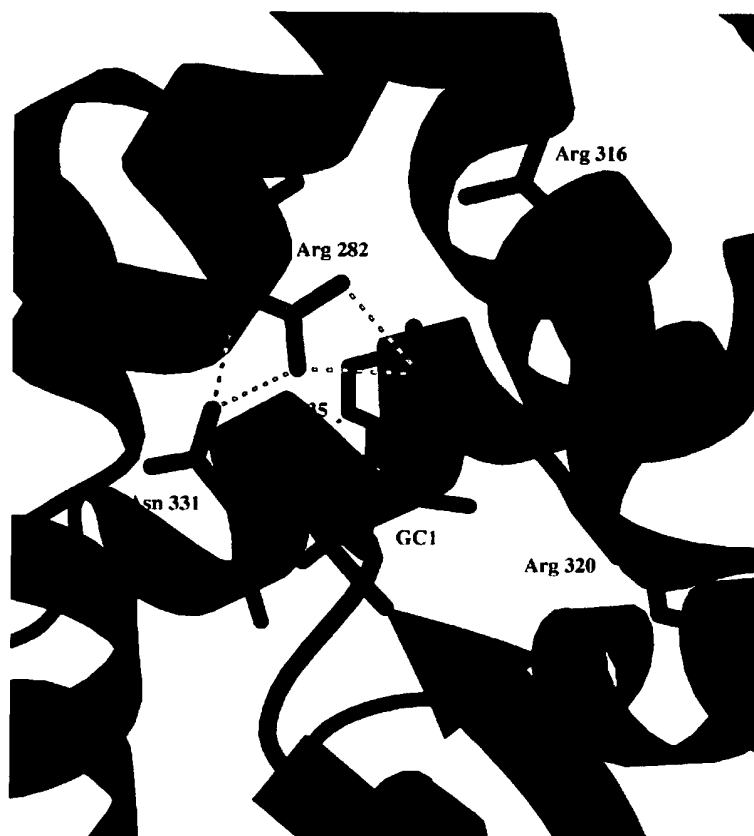


FIG. 27

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Thyroid Hormone Receptor Beta with Triac

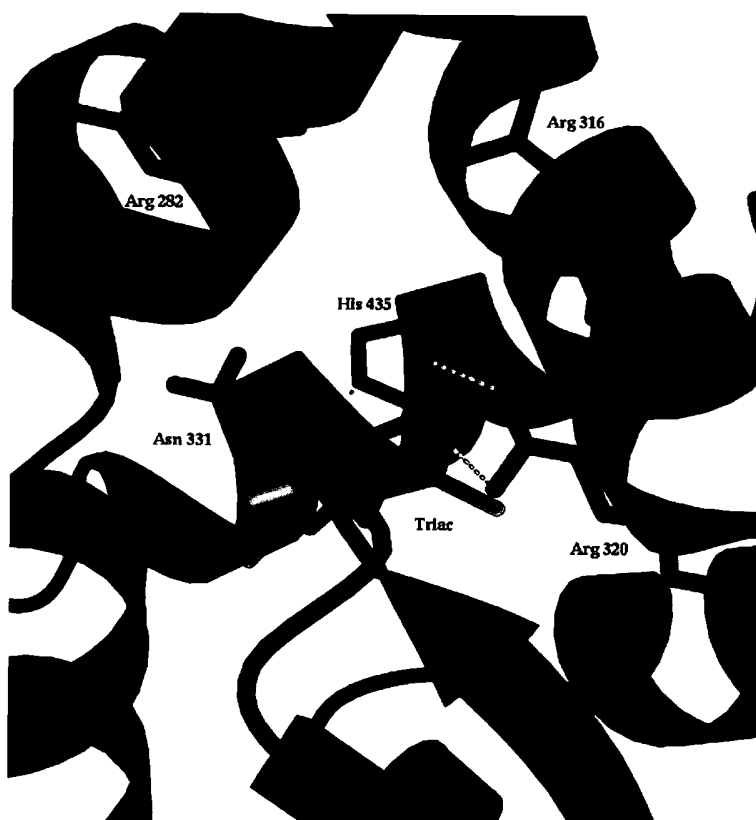


FIG. 28

**Structural Differences Between TR-b with GC1
and TR-a with Dimit**



FIG. 29

Structural Differences between TR LBD isoforms with Triac

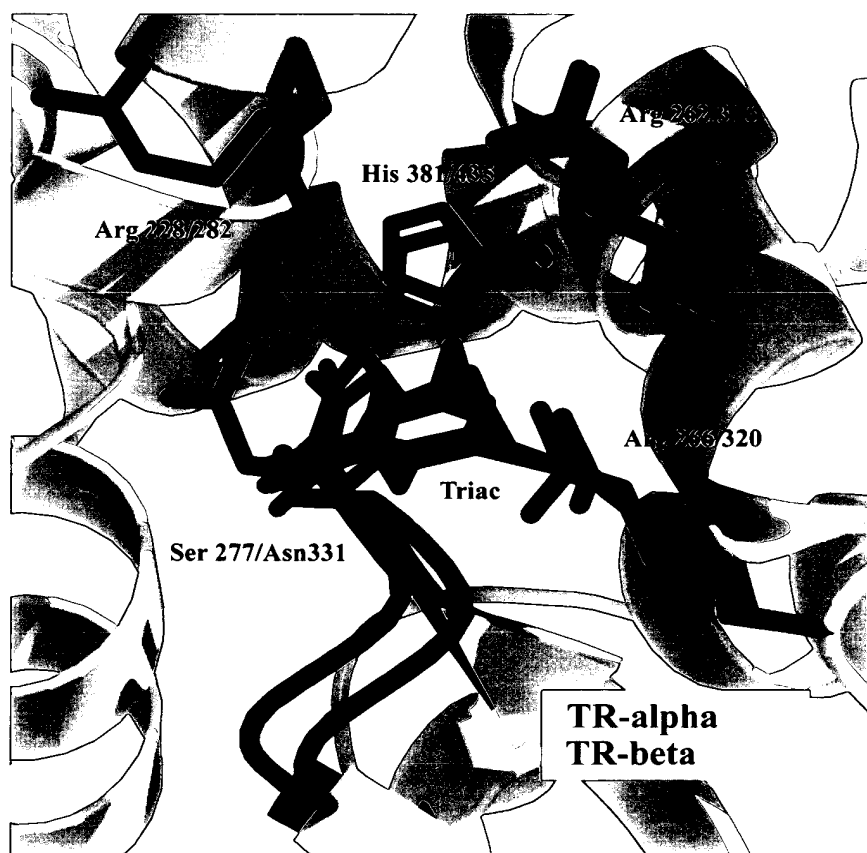
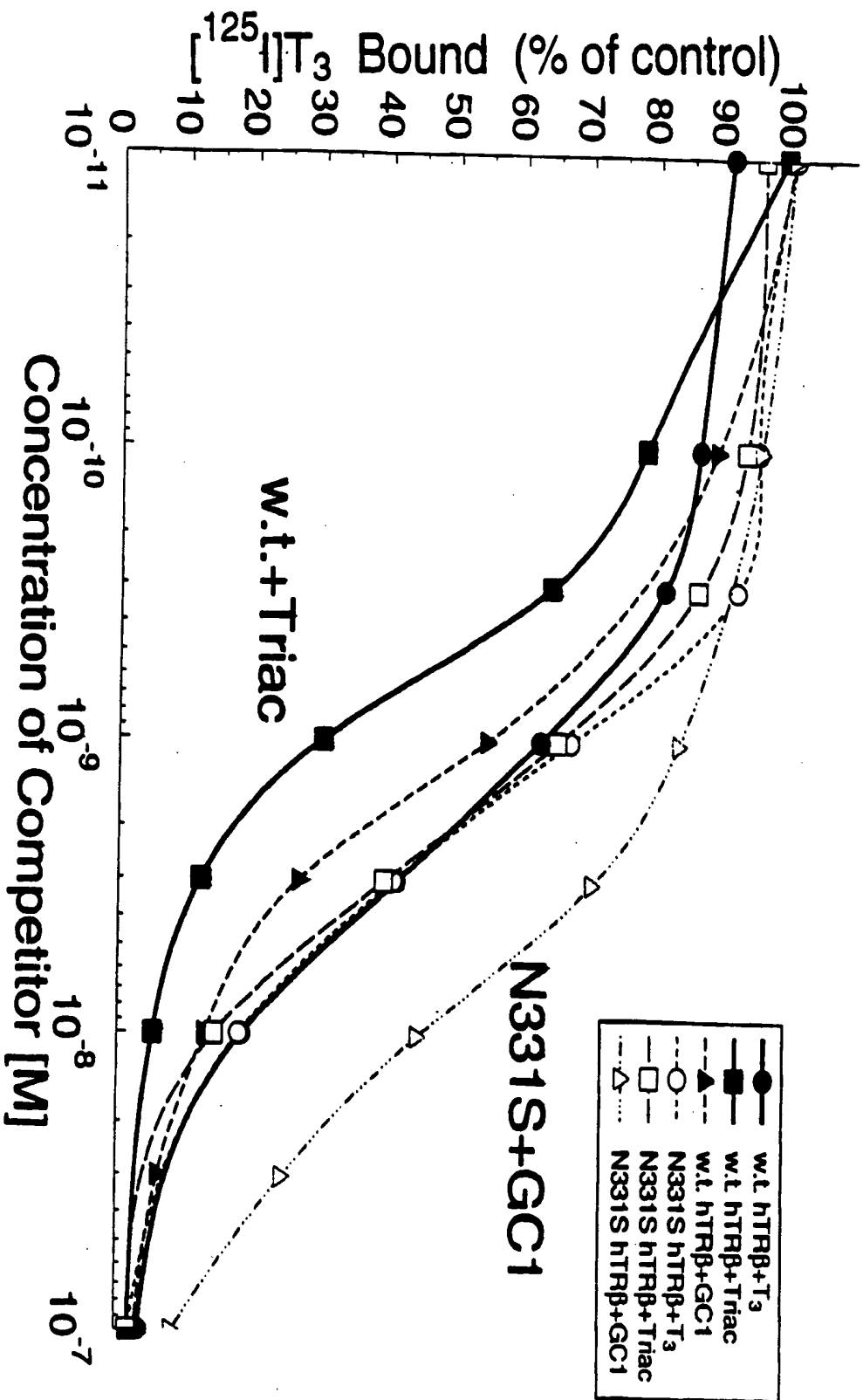


FIG. 30

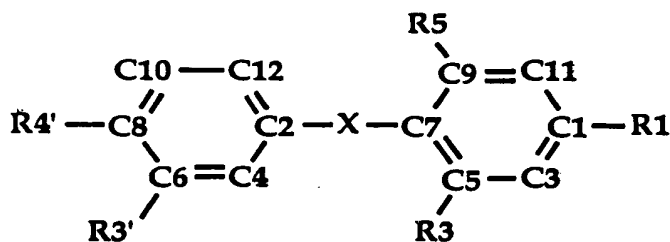
FIG.31

Competition by T₃, Triac & GC1 for [¹²⁵I]T₃ binding to wild type and N331S hTRβ



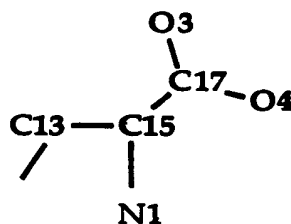
APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Atomic Numbering for Thyronine-like Ligands

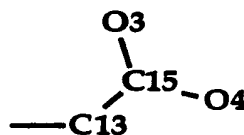


Ligand	R1	R3	R5	X	R3'	R4'
Dimit	amino propionic	C19	C20	O2	iPr	O1
IpBr ₂	amino propionic	BR1	BR2	O2	iPr	O1
T ₃	amino propionic	I1	I3	O2	I2	O1
Triac	acetic acid	I1	I3	O2	I2	O1
GC1	oxyacetic acid	C19	C20	C21	iPr	O1

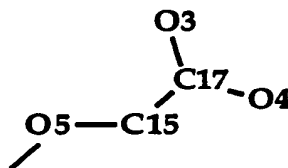
amino propionic acid



acetic acid



oxyacetic acid



isopropyl

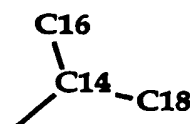


FIG.32

000130-2272E960

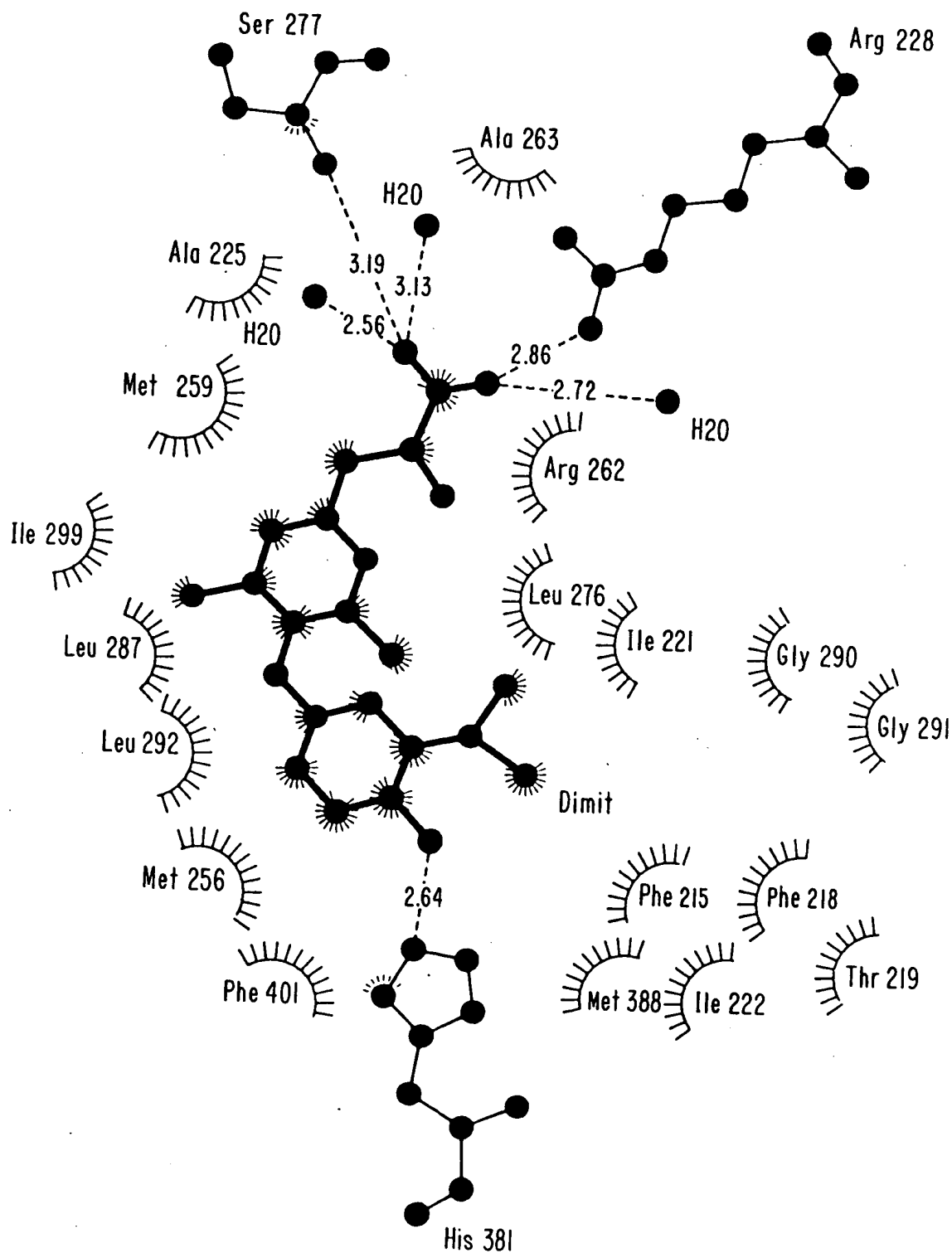


FIG.6

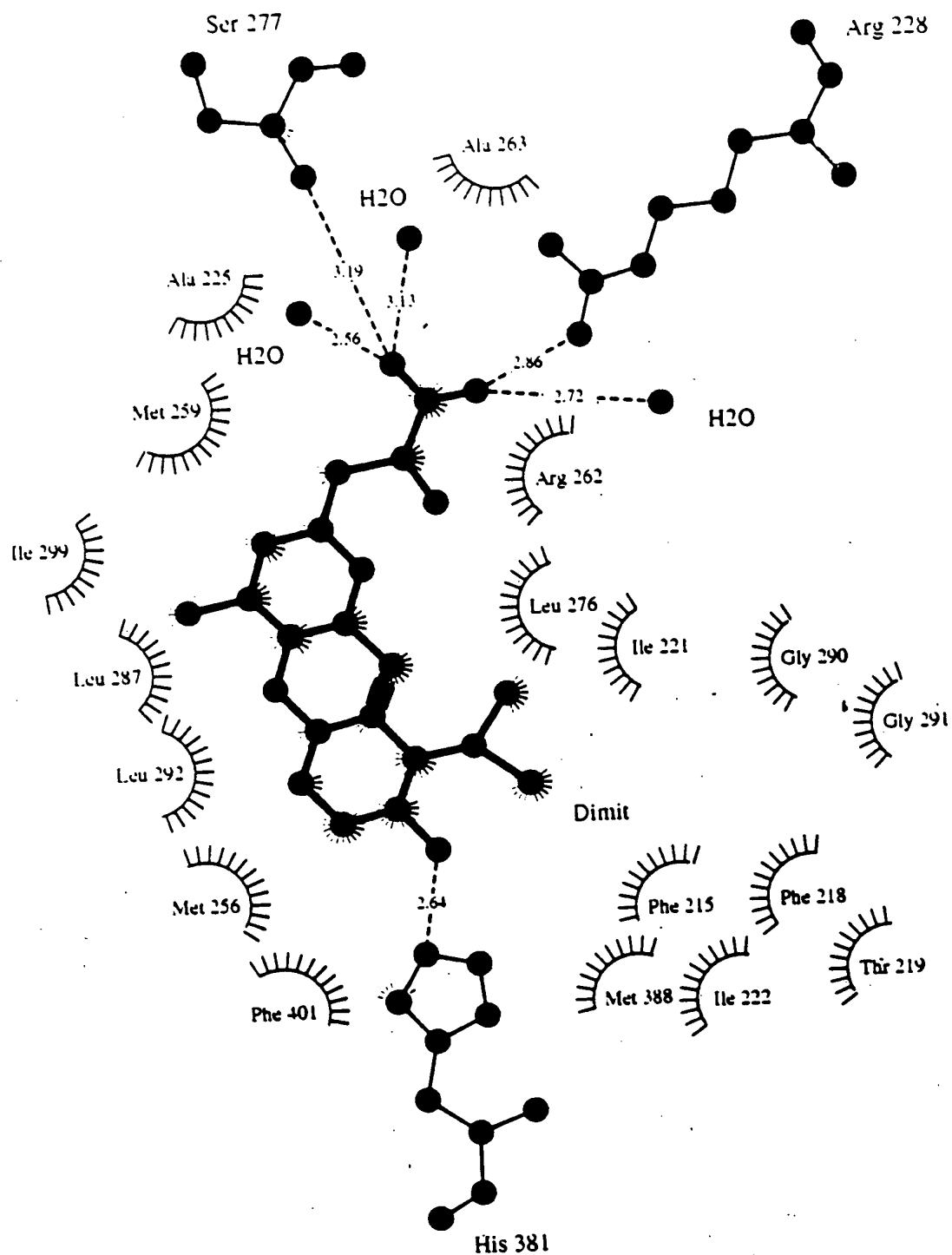


Figure 6